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APPLICATION NO.	FILING DATE	· FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/843,258	04/25/2001	Osamu Inoue	10873.707US01	9787
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Merchant & C	Gould P.C.	EXAMINER		
P.O. Box 2903		NGUYEN, TUYEN T		
Minneapolis, M	IN 55402-0903			
			ART UNIT	PAPER NUMBER
			2832	
		DATE MAILED: 08/14/2002		

Please find below and/or attached an Office communication concerning this application or proceeding.

Application No. 09/843,258

Applicant(s)

noue et al.

Office Action Summary

Examiner

Tuyen T. Nguyen

Art Unit **2832**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE3MONTHIS) FROM THE MAILING DATE OF THIS COMMUNICATION. The provide remy be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a rapply be timinly filed after SX (6) MONTHS from the melting date of this communication. If NO print for may he specified above, the meanman statutory print and largely and well expire 30 K (8) MONTHS from the meanman statutory print and largely and well apple 30 K (8) MONTHS from the meanman statutory print and largely and well apple 30 K (8) MONTHS from the meanman statutory print and largely and well apple 30 K (8) MONTHS from the meanman statutory print and well apple 30 K (8) MONTHS from the meanman statutory print and well apple 30 K (8) MONTHS from the meanman statutory print and well apple 30 K (8) MONTHS from the meanman statutory print and well apple 30 K (8) MONTHS from the meanman statutory print and well apple 30 K (8) MONTHS from the meanman statutory print and well apple 30 K (8) MONTHS from the meanman statutory print and well apple 30 K (8) MONTHS from the meanman statutory print and well apple 30 K (8) MONTHS from the meanman statutory print and well apple 30 K (8) MONTHS from the meanman statutory print and well apple 30 K (8) MONTHS from the meanman statutory statutory print and well apple 30 K (8) MONTHS from the meanman statutory statutory print and well apple 30 K (8) MONTHS from the statutory statutory print and well apple 30 K (8) MONTHS from the statutory statutory print and well apple 30 K (8) MONTHS from the statutory statutory print and well apple 30 K (8) MONTHS from the statutory statutory print and well apple 30 K (8) MONTHS from the statutory statutory print and well apple 30 K (8) MONTHS from the statutory statutory print and well apple 30 K (8) MONTHS from the statutory statutory print and well apple 30 K (8) MONTHS from the statutory statut		The MAILING DATE of this communication appears	on the c	over she	et with:	the correspondence address
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This action is FINAL. 2bix This action is non-final. 3 Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213. Disposition of Claims 4 Claim(s) 1-24	- If NO p - Failure - Any re	period for reply is specified above, the maximum statutory period will apply as to reply within the set or extended period for reply will, by statute, cause the aply received by the Office later than three months after the mailing date of the	and will expi he application	oire SIX (6) N on to becom	MONTHS f	from the mailing date of this communication. DONED (35 U.S.C. § 133).
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closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11; 453 O.G. 213. Disposition of Claims 4) \(\text{ Claim(s) } \) \(1-24 \) is/are pending in the application. 4a) Of the above, claim(s) \(\) \(17-24 \) is/are allowed. 5) \(\text{ Claim(s) } \) \(1-16 \) is/are allowed. 6) \(\text{ Claim(s) } \) \(1-16 \) is/are allowed. 6) \(\text{ Claim(s) } \) \(1-16 \) is/are objected to. 8) \(\text{ Claim(s) } \) is/are objected to. 8) \(\text{ Claim(s) } \) is/are objected to. 8) \(\text{ Claim(s) } \) is/are objected to. 8) \(\text{ Claim(s) } \) is/are objected to by the Examiner. 7) \(\text{ The drawing(s) filed on } \) is/are a) \(\) accepted or b) \(\) objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). 11) \(\) The proposed drawing correction filed on \(\) is: a) \(\) approved, corrected drawings are required in reply to this Office action. 12) \(\) The oath or declaration is objected to by the Examiner. Priority under 35 U.S.C. \(\frac{5}{2} \) 119 and 120 13) \(\text{ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. \(\frac{5}{2} \) 119(a)-(d) or (f). a) \(\text{ All b) \(\) Some* c) \(\) None of: 1. \(\text{ Certified copies of the priority documents have been received.} \) 2. \(\) Certified copies of the priority documents have been received in Application No. 3. \(\text{ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). *See the attached detailed Office action for a list of the certified copies not received. 14) \(\) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. \(\frac{5}{2} \) 119(e). a) \(\) The translation of the foreign language provisional application has been received. 15) \(\) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. \(\frac{5}{2} \) 120 and/or 121. Att	2a) 🗌	This action is FINAL . 2b) 💢 This act	tion is no	on-final.		'
All Claim(s) 1-24 is/are pending in the application. 4a) Of the above, claim(s) 17-24 is/are withdrawn from consideration. is/are withdrawn from consideration. is/are allowed. is/are allowed. is/are rejected.	3) 🗆	• •				
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claim(s) 1-16 is/are rejected. 7)	4	la) Of the above, claim(s) 17-24				is/are withdrawn from consideration.
Claim(s)	5) 🗌	Claim(s)				is/are allowed.
Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on	6) 💢	Claim(s) <u>1-16</u>				is/are rejected.
Application Papers 9) The specification is objected to by the Examiner. 10) The drawing(s) filed on	7) 🗆	Claim(s)				is/are objected to.
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3) [X] information disclosure statements in the latter applicable.		n Application (1.10-102)				

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DETAILED ACTION

Priority

1. Receipt is acknowledged of papers submitted under 35 U.S.C. 119(a)-(d), which papers have been placed of record in the file.

Election/Restriction

2. Applicant's election without traverse of specie 1, claims 1-16 in Paper No. 5 is acknowledged.

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 4. Claims 1-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over JP 2-226799 in view of Kugimiya et al. [US 5,350,628].
 - JP 2-226799 discloses a magnetic element comprising:
- a composite magnetic body including metallic magnetic powder and thermosetting resin [see abstract] having a packing ratio of the metallic magnetic powder of 65 vol% to 90 vol%; and

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- a coil [1] embedded within the composite magnetic body.

JP 2-226799 discloses the instant claimed invention except for the specific resistivity of the magnetic body.

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Kugimiya et al. discloses a magnetic sintered composite material formed of an alloy of Fe-Al-Si having a resistivity of 20MOhms or more.

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to use the composite material design of Kugimiya et al. in the composite body of JP 2-226799 for the purpose of improving flux density.

Regarding claims 6-8, JP 2-226799 discloses the instant claimed invention except for the magnetic powder having a thin silicon oxide film formed on a surface thereof.

Kugimiya et al. discloses the magnetic powder having a silicon oxide film formed on the surface thereof.

It would have been obvious to one having ordinary skilled in the art at the time the invention was made to use the magnetic particle of Kugimiya et al. in the composite body of JP 2-226799 for the purpose of reducing interference.

The specific thickness of the silicon oxide film, mean particle size, insulating material shape, aspect ratio of the electrical insulating material and the use of organic material with the composite magnetic body would have been an obvious design consideration based on the particular applications and environment of use of the composite magnetic body.

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Conclusion

5. Any inquiry concerning this communication or earlier communications from the examiner

should be directed to Examiner Tuyen T. Nguyen whose telephone number is (703) 308-0821.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor,

Mr. Elvin Enad, can be reached at (703) 308-7619. The fax number for this Group is (703)872-9318

before the final office action, if the response is after final office action the fax number is (703)872-

9319.

Any inquiry of a general nature or relating to status of this application of proceeding should

be directed to the Group receptionist whose telephone number is (703) 308-0956.

TTN TTN

August 12, 2002

Trughe T. Nguyh

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